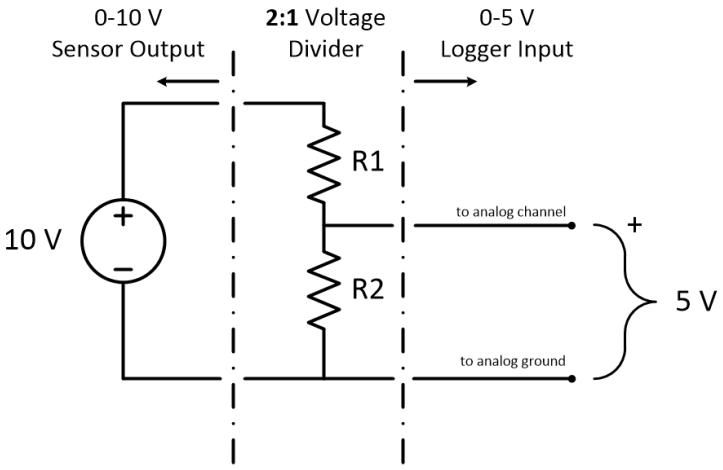
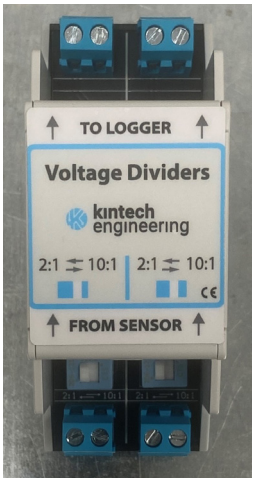
VOLTAGE DIVIDER | 2:1 AND 10:1

The function of the Voltage Divider is to scale down the voltage output from a sensor that exceeds the data logger's maximum measurement range to a fraction of its original value.
The voltage divider module employs precision resistors to adjust high voltage output from a sensor to fit within the input range of the Orbit 360 datalogger. Each module has two voltage dividers that are electrically independent of each other. The attenuation can be 2:1 or 10:1 independently selectable by means of a switch on the bottom of the module (sensor side).

SPECIFICATIONS (VOLTAGE DIVIDER 2:1)

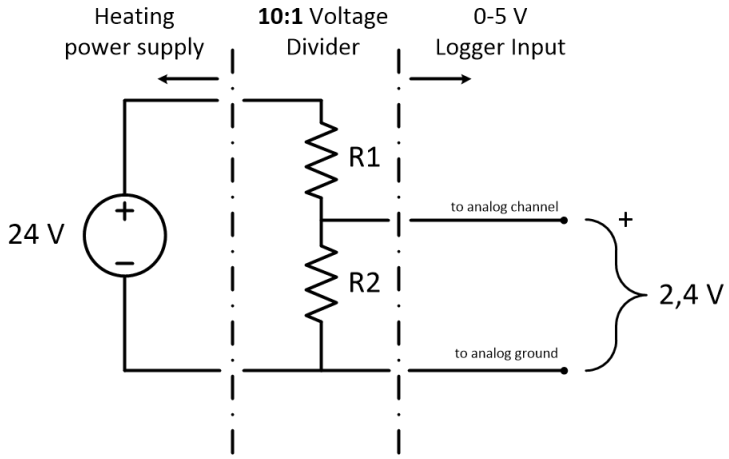
Maximum sensor output to be used with	10 V
Resistance values	R1 = 2 kΩ and R2 = 2 kΩ
Static consumption (@ 10 V)	2.5 mA
Resistance tolerance	0.05% (@ 20 °C) or better
Resistance temperature coefficient	10 ppm/K or better





SPECIFICATIONS (VOLTAGE DIVIDER 10:1)

Maximum sensor output to be used with	50 V
Resistance values	R1 = 18 kΩ and R2 = 2 kΩ
Static consumption (@ 10V)	1.2 mA
Resistance tolerance	0.05% (@ 20°C) or better
Resistance temperature coefficient	10 ppm/K or better



Physical dimensions	89,7 x 17,8 x 62,2 mm
Accordance	DIN 43880

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